

PA

```

PPPPPPPP      AAAAAA      SSSSSSSS  MM      MM      SSSSSSSS  GGGGGGGG  PPPPPPPP  TTTTTTTTTT  RRRRRRRR
PPPPPPPP      AAAAAA      SSSSSSSS  MM      MM      SSSSSSSS  GGGGGGGG  PPPPPPPP  TTTTTTTTTT  RRRRRRRR
PP      PP  AA      AA  SS      MMMM  MMMM  SS      GG      PP      PP  TT      RR      RR
PP      PP  AA      AA  SS      MMMM  MMMM  SS      GG      PP      PP  TT      RR      RR
PP      PP  AA      AA  SS      MM  MM  MM  SS      GG      PP      PP  TT      RR      RR
PP      PP  AA      AA  SS      MM  MM  MM  SS      GG      PP      PP  TT      RR      RR
PPPPPPPP      AA      AA  SSSSSS  MM      MM      SSSSSS  GG      PPPPPPPP  TT      RRRRRRRR
PPPPPPPP      AA      AA  SSSSSS  MM      MM      SSSSSS  GG      PPPPPPPP  TT      RRRRRRRR
PP      AAAAAAAAAA      SS  MM      MM      SS  GG      GGGGGG  PP      TT      RR      RR
PP      AAAAAAAAAA      SS  MM      MM      SS  GG      GGGGGG  PP      TT      RR      RR
PP      AA      AA      SS  MM      MM      SS  GG      GG      PP      TT      RR      RR
PP      AA      AA      SS  MM      MM      SS  GG      GG      PP      TT      RR      RR
PP      AA      AA  SSSSSSSS  MM      MM      SSSSSSSS  GG      PP      PP      RR      RR
PP      AA      AA  SSSSSSSS  MM      MM      SSSSSSSS  GG      PP      PP      RR      RR

LL      IIIIII      SSSSSSSS
LL      IIIIII      SSSSSSSS
LL      II      SS
LL      II      SS
LL      II      SS
LL      II      SS
LL      II      SSSSSS
LL      II      SSSSSS
LL      II      SS
LL      II      SS
LL      II      SS
LL      II      SS
LLLLLLLLLLLL  IIIIII      SSSSSSSS
LLLLLLLLLLLL  IIIIII      SSSSSSSS

```

```
1      .TITLE  PASSMSGDEF VAX-11 Pascal Run-Time Messages
2      .IDENT  '1-004'      ! File PASMSG.MSG, Edit: SBL1004
3
4      *****
5      *
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23     *
24     *
25     *****
26
27     ++
28     FACILITY:      VAX-11 Pascal Run-Time Library
29
30     ABSTRACT:
31
32         This module contains the message definitions for VAX-11 Pascal V2
33         Run-Time messages.
34
35     AUTHOR: Steven B. Lionel, CREATION DATE: 1-April-1981
36
37     MODIFIED BY:
38
39     1-001 - Original. SBL 1-April-1981
40     1-002 - Remove PASS_INVFIESPE since it is no longer used. SBL 2-July-1982
41     1-003 - Reserve message numbers 3000-3999 for SeaPascal. SBL 25-Mar-1983
42     1-004 - Change text of BUGCHECK to refer to User's Guide. SBL 17-Aug-1983
43     --
44
45     .FACILITY      PAS,33 /SYSTEM
46
47     +
48     NOTE: The VAX-11 Pascal V1 Run-Time Library used message numbers between
49     32 and 128. To avoid conflicts, start VAX-11 Pascal V2 numbers at 200.
50     -
51
52     +
53     Messages 201 to 999 are I/O errors which can be continued by means of
54     Error:=Continue in the Pascal statement.
55
56     The STATUS return value is <message_number - 200>
```

00000021


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57 |
58 | ***** NOTE *****
59 | * For messages 201-999, which all have the PFV *
60 | * address placed as the first FAO argument, the *
61 | * FAO control string MUST include the "!" edit *
62 | * directive as the first directive in the string. *
63 | * Failure to do this will result in the PFV *
64 | * being used incorrectly in the result text. *
65 | *****
66 |
67 | -
68 | .SEVERITY      FATAL
69 |
70 | +
71 | Messages from OPEN and CLOSE.
72 | -
73 |
74 | .BASE          200
75 | BASE          <>      ! Never signalled
76 |
77 | FILALROPE      <file is already open!+!/ File "!"AC" Filename "!"AS">/FAO_COUNT=3
78 | .LITERAL      PASSK_FILALROPE=(PASS_FILALROPE-PASS_BASE)@-3
79 |
80 | ERRDUROPE      <error during OPEN!+!/ File "!"AC" Filename "!"AS">/FAO_COUNT=3
81 | .LITERAL      PASSK_ERRDUROPE=(PASS_ERRDUROPE-PASS_BASE)@-3
82 |
83 | FILNOTFOU      <file not found!+!/ File "!"AC" Filename "!"AS">/FAO_COUNT=3
84 | .LITERAL      PASSK_FILNOTFOU=(PASS_FILNOTFOU-PASS_BASE)@-3
85 |
86 | INVFILSYN      <invalid filename syntax!+!/ File "!"AC" Filename "!"AS">/FAO_COUNT=
87 | .LITERAL      PASSK_INVFILSYN=(PASS_INVFILSYN-PASS_BASE)@-3
88 |
89 | ACCMETINC      <ACCESS METHOD specified is incompatible with this file!+!/ File "!"
90 | .LITERAL      PASSK_ACCMETINC=(PASS_ACCMETINC-PASS_BASE)@-3
91 |
92 | RECLLENINC     <RECORD LENGTH specified is inconsistent with this file!+!/ File "!"
93 | .LITERAL      PASSK_RECLLENINC=(PASS_RECLLENINC-PASS_BASE)@-3
94 |
95 | RECTYPINC      <RECORD TYPE specified is inconsistent with this file!+!/ File "!"AC
96 | .LITERAL      PASSK_RECTYPINC=(PASS_RECTYPINC-PASS_BASE)@-3
97 |
98 | ORGSPEINC      <ORGANIZATION specified is inconsistent with this file!+!/ File "!"A
99 | .LITERAL      PASSK_ORGSPEINC=(PASS_ORGSPEINC-PASS_BASE)@-3
100 |
101 | INVKEYDEF      <invalid key definition!+!/ File "!"AC" Filename "!"AS">/FAO_COUNT=3
102 | .LITERAL      PASSK_INVKEYDEF=(PASS_INVKEYDEF-PASS_BASE)@-3
103 |
104 | KEYDEFINC      <KEY(!+!UL) definition is inconsistent with this file!+ File "!"AC"
105 | .LITERAL      PASSK_KEYDEFINC=(PASS_KEYDEFINC-PASS_BASE)@-3
106 |
107 | KEYNOTDEF      <KEY(!+!UL) is not defined in this file!+ File "!"AC" Filename "!"AS
108 | .LITERAL      PASSK_KEYNOTDEF=(PASS_KEYNOTDEF-PASS_BASE)@-3
109 |
110 | INVRECLLEN     <invalid record length of !+!UL!+ File "!"AC" Filename "!"AS">/FAO_C
111 | .LITERAL      PASSK_INVRECLLEN=(PASS_INVRECLLEN-PASS_BASE)@-3
112 |
113 | 002186AC      112    TEXREQSEQ      <textfiles require sequential organization and access!+!/ File "!"AC
114 | .LITERAL      PASSK_TEXREQSEQ=(PASS_TEXREQSEQ-PASS_BASE)@-3

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002186B4 114
115      FILNAMREQ      <FILE_NAME required for this HISTORY or DISPOSITION!+!/ File "'!AC'"
116      .LITERAL      PASSK_FILNAMREQ=(PASS_FILNAMREQ-PASS_BASE)@-3
117
002186BC 118      FILALRCLO      <file is already closed!+!/ File "'!AC'" Filename "'!AS'"/FAO_COUNT=3
119      .LITERAL      PASSK_FILALRCLO=(PASS_FILALRCLO-PASS_BASE)@-3
120
002186C4 121      ERRDURCLO      <error during CLOSE!+!/ File "'!AC'" Filename "'!AS'"/FAO_COUNT=3
122      .LITERAL      PASSK_ERRDURCLO=(PASS_ERRDURCLO-PASS_BASE)@-3
123
124      !+
125      !- Textfile READ errors.
126      !-
127      .BASE          230
128
00218734 129      AMBVALENU      <!'!AS' is an ambiguous value for enumerated type "'!AC'"/ Record !
130      .LITERAL      PASSK_AMBVALENU=(PASS_AMBVALENU-PASS_BASE)@-3
131
0021873C 132      INVSYNENU      <!'!AD' is invalid syntax for an enumerated value!/ Record !UL Fi
133      .LITERAL      PASSK_INVSYNENU=(PASS_INVSYNENU-PASS_BASE)@-3
134
00218744 135      INVSYNINT      <!'!AS' is invalid syntax for an integer value!/ Record !UL File
136      .LITERAL      PASSK_INVSYNINT=(PASS_INVSYNINT-PASS_BASE)@-3
137
0021874C 138      INVSYNREA      <!'!AS' is invalid syntax for a real value!/ Record !UL File "'!AC"
139      .LITERAL      PASSK_INVSYNREA=(PASS_INVSYNREA-PASS_BASE)@-3
140
00218754 141      INVSYNUNS      <!'!AD' is invalid syntax for an unsigned value!/ Record !UL File
142      .LITERAL      PASSK_INVSYNUNS=(PASS_INVSYNUNS-PASS_BASE)@-3
143
0021875C 144      NOTVALTYP      <!'!AS' is not a value of type "'!AC'"/ Record !UL File "'!AC" Fil
145      .LITERAL      PASSK_NOTVALTYP=(PASS_NOTVALTYP-PASS_BASE)@-3
146
00218764 147      ERRDURPRO      <error during prompting!+!/ File "'!AC'" Filename "'!AS'"/FAO_COUNT=3
148      .LITERAL      PASSK_ERRDURPRO=(PASS_ERRDURPRO-PASS_BASE)@-3
149
150
151      !+
152      !- Textfile WRITE errors.
153      !-
154      .BASE          250
155
002187D4 156      ERRDURWRI      <error during WRITELN!+!/ File "'!AC'" Filename "'!AS'"/FAO_COUNT=3
157      .LITERAL      PASSK_ERRDURWRI=(PASS_ERRDURWRI-PASS_BASE)@-3
158
159      ! Message 251 is no longer used - available for reuse
160
161      .BASE          252
162
002187E4 163      LINTOOLON      <line is too long, exceeded record length by !+!UL character!%S!/ F
164      .LITERAL      PASSK_LINTOOLON=(PASS_LINTOOLON-PASS_BASE)@-3
165
002187EC 166      NEGWIDDIG      <negative Width or Digits specification is not allowed!+!/ File "'!A
167      .LITERAL      PASSK_NEGWIDDIG=(PASS_NEGWIDDIG-PASS_BASE)@-3
168
002187F4 169      WRIINVENU      <WRITE of an invalid enumerated value!+!/ File "'!AC'" Filename "'!AS
170      .LITERAL      PASSK_WRIINVENU=(PASS_WRIINVENU-PASS_BASE)@-3

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```
171
172
173 | +
174 | Direct and Keyed access errors.
175 | -
176 | .BASE 270
177
00218874 178 KEYVALINC <key value is incompatible with this file's key !+!UL!// File '!AC'
179 .LITERAL PASSK_KEYVALINC=(PASS_KEYVALINC-PASS_BASE)@-3
180
0021887C 181 KEYDUPNOT <key field duplication is not allowed!+!// File '!AC' Filename '!AS'
182 .LITERAL PASSK_KEYDUPNOT=(PASS_KEYDUPNOT-PASS_BASE)@-3
183
00218884 184 KEYCHANOT <key field change is not allowed!+!// File '!AC' Filename '!AS'>/FA
185 .LITERAL PASSK_KEYCHANOT=(PASS_KEYCHANOT-PASS_BASE)@-3
186
0021888C 187 CURCOMUND <current component is undefined for DELETE or UPDATE!+!// File '!AC'
188 .LITERAL PASSK_CURCOMUND=(PASS_CURCOMUND-PASS_BASE)@-3
189
00218894 190 FAIGETLOC <failed to GET locked component!+!// File '!AC' Filename '!AS'>/FAO
191 .LITERAL PASSK_FAIGETLOC=(PASS_FAIGETLOC-PASS_BASE)@-3
192
193
194 | +
195 | Miscellaneous errors.
196 | -
197 | .BASE 300
198
00218964 199 DELNOTALL <DELETE is not allowed for a sequential organization file!+!// File
200 .LITERAL PASSK_DELNOTALL=(PASS_DELNOTALL-PASS_BASE)@-3
201
0021896C 202 ERRDURDEL <error during DELETE!+!// File '!AC' Filename '!AS'>/FAO_COUNT=3
203 .LITERAL PASSK_ERRDURDEL=(PASS_ERRDURDEL-PASS_BASE)@-3
204
00218974 205 ERRDURFIN <error during FIND or FINDK!+!// File '!AC' Filename '!AS'>/FAO_COU
206 .LITERAL PASSK_ERRDURFIN=(PASS_ERRDURFIN-PASS_BASE)@-3
207
0021897C 208 ERRDURGET <error during GET!+!// File '!AC' Filename '!AS'>/FAO_COUNT=3
209 .LITERAL PASSK_ERRDURGET=(PASS_ERRDURGET-PASS_BASE)@-3
210
00218984 211 ERRDURPUT <error during PUT!+!// File '!AC' Filename '!AS'>/FAO_COUNT=3
212 .LITERAL PASSK_ERRDURPUT=(PASS_ERRDURPUT-PASS_BASE)@-3
213
0021898C 214 ERRDURRES <error during RESET or RESETK!+!// File '!AC' Filename '!AS'>/FAO_C
215 .LITERAL PASSK_ERRDURRES=(PASS_ERRDURRES-PASS_BASE)@-3
216
00218994 217 ERRDURREW <error during REWRITE!+!// File '!AC' Filename '!AS'>/FAO_COUNT=3
218 .LITERAL PASSK_ERRDURREW=(PASS_ERRDURREW-PASS_BASE)@-3
219
0021899C 220 ERRDURTRU <error during TRUNCATE!+!// File '!AC' Filename '!AS'>/FAO_COUNT=3
221 .LITERAL PASSK_ERRDURTRU=(PASS_ERRDURTRU-PASS_BASE)@-3
222
002189A4 223 ERRDURUNL <error during UNLOCK!+!// File '!AC' Filename '!AS'>/FAO_COUNT=3
224 .LITERAL PASSK_ERRDURUNL=(PASS_ERRDURUNL-PASS_BASE)@-3
225
002189AC 226 ERRDURUPD <error during UPDATE!+!// File '!AC' Filename '!AS'>/FAO_COUNT=3
227 .LITERAL PASSK_ERRDURUPD=(PASS_ERRDURUPD-PASS_BASE)@-3
```

002189B4	228 229 230 231	FILNOTDIR .LITERAL	<file is not opened for direct access!+!// File '!AC' Filename '!AS' PASSK_FILNOTDIR=(PASS_FILNOTDIR-PASS_BASE)@-3
002189BC	232 233 234	FILNOTGEN .LITERAL	<file is not in Generation mode!+!// File '!AC' Filename '!AS'>/FAO PASSK_FILNOTGEN=(PASS_FILNOTGEN-PASS_BASE)@-3
002189C4	235 236 237	FILNOTINS .LITERAL	<file is not in Inspection mode!+!// File '!AC' Filename '!AS'>/FAO PASSK_FILNOTINS=(PASS_FILNOTINS-PASS_BASE)@-3
002189CC	238 239 240	FILNOTKEY .LITERAL	<file is not opened for keyed access!+!// File '!AC' Filename '!AS' PASSK_FILNOTKEY=(PASS_FILNOTKEY-PASS_BASE)@-3
002189D4	241 242 243	FILNOTOPE .LITERAL	<file is not open!+!// File '!AC' Filename '!AS'>/FAO_COUNT=3 PASSK_FILNOTOPE=(PASS_FILNOTOPE-PASS_BASE)@-3
002189DC	244 245 246	FILNOTSEQ .LITERAL	<file is not sequential organization!+!// File '!AC' Filename '!AS' PASSK_FILNOTSEQ=(PASS_FILNOTSEQ-PASS_BASE)@-3
002189E4	247 248 249	FILNOTTEX .LITERAL	<file is not a textfile!+!// File '!AC' Filename '!AS'>/FAO_COUNT=3 PASSK_FILNOTTEX=(PASS_FILNOTTEX-PASS_BASE)@-3
002189EC	250 251 252	GENNOTALL .LITERAL	<Generation mode is not allowed for a READONLY file!+!// File '!AC' PASSK_GENNOTALL=(PASS_GENNOTALL-PASS_BASE)@-3
002189F4	253 254 255	GETAFTEOF .LITERAL	<GET attempted after end-of-file!+!// File '!AC' Filename '!AS'>/FA PASSK_GETAFTEOF=(PASS_GETAFTEOF-PASS_BASE)@-3
002189FC	256 257 258	INSNOTALL .LITERAL	<Inspection mode is not allowed for a WRITEONLY file!+!// File '!AC' PASSK_INSNOTALL=(PASS_INSNOTALL-PASS_BASE)@-3
00218A04	259 260 261	INSVIRMEM .LITERAL	<insufficient virtual memory!+!// File '!AC' Filename '!AS'>/FAO_CO PASSK_INSVIRMEM=(PASS_INSVIRMEM-PASS_BASE)@-3
00218A0C	262 263 264	INVARGPAS .LITERAL	<invalid argument to Pascal Run-Time Library!+!// File '!AC' Filena PASSK_INVARGPAS=(PASS_INVARGPAS-PASS_BASE)@-3
00218A14	265 266 267	LINVALEXC .LITERAL	<LINELIMIT value exceeded!+!// File '!AC' Filename '!AS'>/FAO_COUNT PASSK_LINVALEXC=(PASS_LINVALEXC-PASS_BASE)@-3
00218A1C	268 269 270	REWNOTALL .LITERAL	<REWRITE is not allowed for a shared file!+!// File '!AC' Filename PASSK_REWNOTALL=(PASS_REWNOTALL-PASS_BASE)@-3
00218A24	271 272 273	RESNOTALL .LITERAL	<RESET is not allowed on an unopened internal file!+!// File '!AC' PASSK_RESNOTALL=(PASS_RESNOTALL-PASS_BASE)@-3
00218A2C	274 275 276	TRUNOTALL .LITERAL	<TRUNCATE is not allowed for a shared file!+!// File '!AC' Filename PASSK_TRUNOTALL=(PASS_TRUNOTALL-PASS_BASE)@-3
00218A34	277 278 279 280 281 282 283 284	UPDNOTALL .LITERAL	<UPDATE is not allowed for a sequential organization file!+!// File PASSK_UPDNOTALL=(PASS_UPDNOTALL-PASS_BASE)@-3

!+ Message numbers 1000-1999 are for messages without a valid PFV.


```

285 !-
286
287 .BASE 1000
288 INVFILVAR <invalid file variable at location !XL>/FAO_COUNT=1
289 FILALRACT <file "!AC" is already active>/FAO_COUNT=1
290 ERRDURNEW <error during NEW>
291 ERRDURDIS <error during DISPOSE>
292 ERRDURMAR <error during MARK>
293 ERRDURREL <error during RELEASE>
294 GOTO <non-local GOTO requested!+!+>/FAO=2
295 GOTOFAILED <non-local GOTO failed>
296 HALT <HALT procedure called>
297 BUGCHECK <internal consistency failure !UL in Pascal Run-Time Library!/
298 NEGDIGARG <negative Digits argument to BIN, HEX or OCT is not allowed>
299 CONTINUE <I/O error dismissed by user handler!+>/FAO=1
300
301 +

```

Messages 2000 and up are for errors detected in the compiled code at run-time. The compiled code has in the instruction stream a byte value (0-63) which denotes the specific message to signal (2000-2063). The particular exception conditions recognized by PAS\$HANDLER as being run-time error checking exceptions, and the locations of the code byte, are as follows:

Exception	Instruction	Code byte location
SS\$_OPCDEC	HALT	.BYTE after HALT
SS\$_SUBRNG	INDEX	TSTB #x (current instruction)
SS\$_INTOVF	any	TSTB #x (current instruction)

```

314 !-
315
316 .BASE 2000
317
318 ARRINDVAL <array index value is out of range>
319 ARRNOTCOM <conformant array is not compatible>
320 ARRNOTSTR <conformant array is not a string>
321 CASSELVAL <CASE selector value is out of range>
322 CONCATLEN <string concatenation has more than 65535 characters>
323 PADLENERR <PAD length error>
324 PTRREFNIL <pointer reference to NIL>
325 SETASGVAL <set assignment value has element out of range>
326 SETCONVAL <set constructor value is out of range>
327 STRASGLEN <string assignment length error>
328 STRCOMLEN <strings comparison length error>
329 SUBASGVAL <subrange assignment value is out of range>
330 SUBSTRSEL <SUBSTR selection error>
331 VARINDVAL <varying index value is greater than current length>
332 ORDVALOUT <ordinal value is out of range>
333
334 +
335 If the byte code in the instruction stream is PAS$K_IGNORE, PAS$HANDLER
336 simply does a CONTINUE.
337 !-
338
339 .LITERAL PAS$K_IGNORE=63
340
341 !+

```



```
342 | *****
343 | Message numbers 3000-3999 are reserved for SeaPascal.
344 | *****
345 | -
346 |
347 | +
348 | Define literals which can be used to test for specific groups of messages.
349 | -
350 |
351 | .LITERAL      PASS$K_MSGV2LO=200      ! Lowest V2 message number
352 | .LITERAL      PASS$K_MSGCONTLO=200    ! Lowest continuable error
353 | .LITERAL      PASS$K_MSGCONTHI=999    ! Highest continuable error
354 | .LITERAL      PASS$K_MSGPFVHI=999     ! Highest message with a valid PFV
355 | .LITERAL      PASS$K_MSGCHKBAS=2000   ! Base of run-time checking messages
356 |
357 | +
358 | Define STATUS codes for EOF and SUCCESS
359 | -
360 |
361 | .LITERAL      PASS$K_EOF = -1
362 | .LITERAL      PASS$K_SUCCESS = 0
363 |
364 | .END
365 |
```

There were 0 errors, 0 warnings, and 0 informational messages issued.
MESSAGE/FILE_NAME=PASMSG/LIS=LIS\$:PASMSGPTR/OBJ=OBJ\$:PASMSGPTR MSRC\$:PASMSG

0295 AH-BT13A-SE
VAX/VMS V4.0

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